Narendra Yalamanchi

Sr. Software Developer

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Software developer with 5 years of experience specializing in building microservices for healthcare and video editing software. Proficient in designing scalable systems, integrating AWS cloud services, and performing unit testing to improve deployment. Strong expertise in Python, SQL, Django.

Work Experience

Sr. Software Developer   Jul 2023 - Present
CVS Health | New York

- Conducted comprehensive analysis of healthcare claims data, employing advanced statistical techniques to identify outliers, and potential cost-saving opportunities within the dataset.
- Automated data cleaning, transformation, and validation processes using Python and Pandas to perform diverse analyses on Electronic Health Records (EHR) data.
- Implemented and monitored key performance indicators (KPIs) specific to healthcare analytics, tracking metrics such as patient mortality rates, readmission probabilities, and adherence to preventive care protocols.
- Designed and maintained interactive healthcare system dashboards using Grafana, integrating complex data visualizations.
- Managed project workflows and tracked progress using Jira, facilitating seamless collaboration among team members, monitoring task assignments, and effectively mitigating project-related risks throughout the development lifecycle.

Software Developer   May 2021 - Jan 2022
Invincible Software Solutions Pvt Ltd

- Led capture manager software design and implementation, utilizing SWOT analysis to enhance opportunity identification and strategy execution.
- Implemented product functionality using python framework - Django URL routing and views, forms, and ORM to analyze portfolios, evaluate the risk of losing an opportunity, and Identify win strategies and portfolio diversification.
- Designed and Implemented python APIs to track bids, and a master module was constructed to enter agency information, bid status, priority, and other information into the PostgreSQL database.
- Utilized Python for data analysis and visualization to extract insights from datasets and recommend bidding strategies.
- Utilized pypdf library in Python and Regex for creation of PDF files.
- Streamlined file storage using AWS S3 through a unified information system, improving organizational productivity and integrating effectively with AWS solutions.
- Automated unit/integration tests using Pytest and versioning using Bitbucket.
- Collaborated with team members to employ object-oriented design patterns, ensuring robust, scalable, and maintainable software solutions.

Software Engineer   Jun 2018 - May 2021
Animaker Inc

- Led development of Animaker Video Maker and Pick maker, managing over a million requests and supporting 10, 000 daily users, showcasing strong ownership and ability to influence others to meet performance goals.
- Created authentication, dashboard, payments, and upload microservices for a DIY video-making SaaS platform, demonstrating focus and collaborative product development.
- Implemented APIs for OAuth-based authentication, enabling secure read/write access to third-party integrations.
- Integrated Single Sign-On (SSO) solutions using Google Authenticator and Okta, facilitating seamless access across multiple applications.
- Utilized Redis as an in-memory database for caching, and optimized data retrieval and updates in Django by leveraging ORM features such as bulk update/create, select related, and prefetch related, resulting in improved query performance and faster data processing.
- Architected and deployed an ELK (Elasticsearch, Logstash, Kibana) stack to efficiently store, index, and visualize data for video projects. This included managing diverse data types such as backgrounds, props, music tracks, character, and many, ensuring robust search capabilities.
- Integrated third-party services Google, Facebook, YouTube, Intercom, Sentry, Zoom, Pipedrive, Partner Stack, Getty.
- Created RESTful APIs for video downloads and publishing videos in social media platform YouTube channels and Facebook pages.
- Translated web applications and landing pages into over 10 languages using Google Translate API and Transfix, expanding global reach and user base by 10%.
- Orchestrated Git workflows, managed CI/CD pipelines, and oversaw Docker container operations, improving deployment efficiency and reducing time to market.

Projects

Restaurant Branding   Present

Developed a custom restaurant branding platform that enables restaurants to create fully customizable online applications within hours, allowing them to add food categories and menu items, manage orders, and launch food delivery services with minimal costs, enhancing their online presence

Core Skills

Python, SQL, Application Frameworks : Django, Flask, React, HTML5, CSS3, JavaScript, jQuery, Bootstrap,
Relational Databases / NoSQL : MySQL, SQLite, PostgreSQL, Elasticsearch, Redis, Unit Testing, Libraries -NumPy,
Pandas, Scikit-Learn, Pytest, Selenium, RESTful API services, Object Oriented Design, Multi-threading, SSO, OAuth,
Agile Development., Jenkins, CI/CD pipelines, Docker, Git / GitHub, Jira, Asana, Jupyter NB, Kibana,
MS Visual Studio, PyCharm, Cloud Infrastructure : AWS (S3, RDS, Lambda, Step Functions,
SageMaker), Web Development, Site Design, Site Planning, Software Update, TCP/IP, ERP

Education

State University of New York at Buffalo   May 2023

Masters Computer Science

GPA 3.6

VIT University   May 2017

Bachelors Computer Science